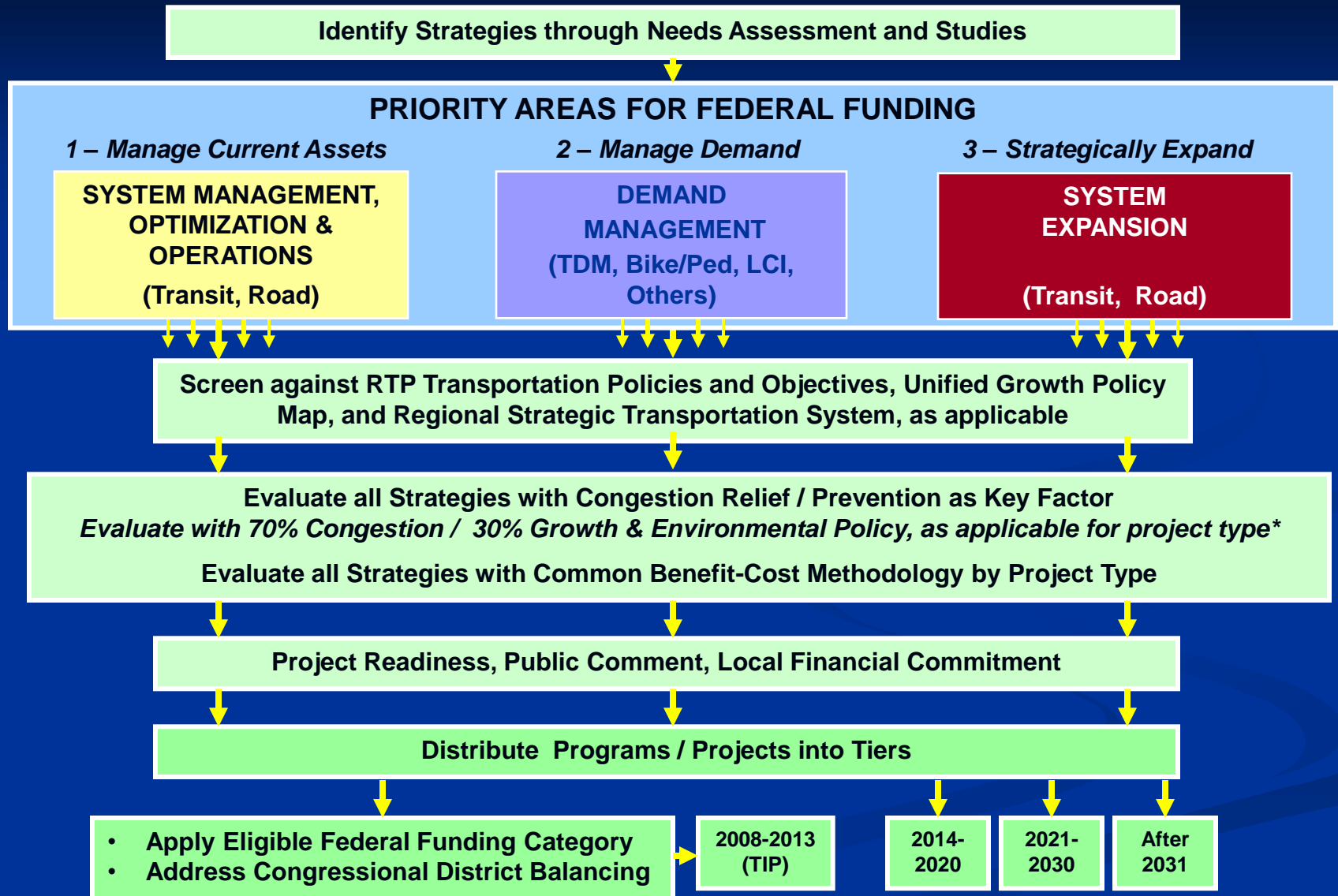


Transit Project Prioritization “Atlanta Urbanized Area”



March 26, 2009
FTA PPP Workshop

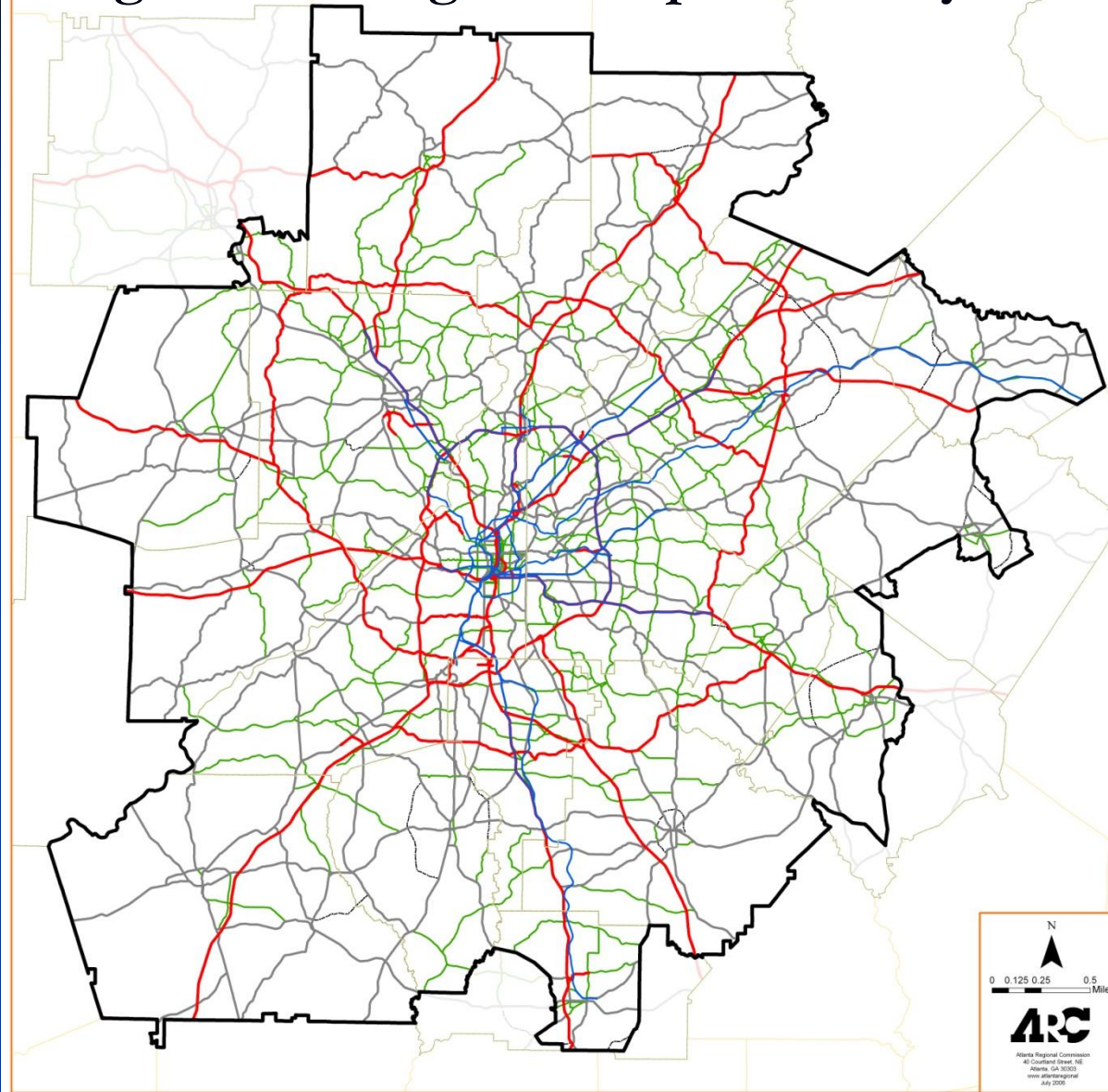
Federal Funding Decisions Framework



Regional Strategic Transportation System

■ Technical Evaluation

- System Expansion
- On RSTS
- Construction in LR
- Within MPO boundary
- Federal funding



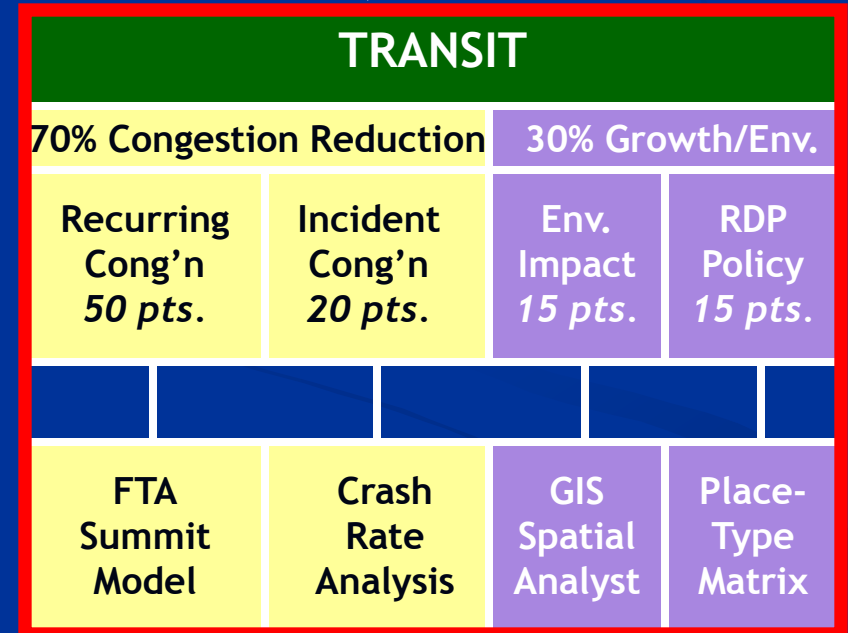
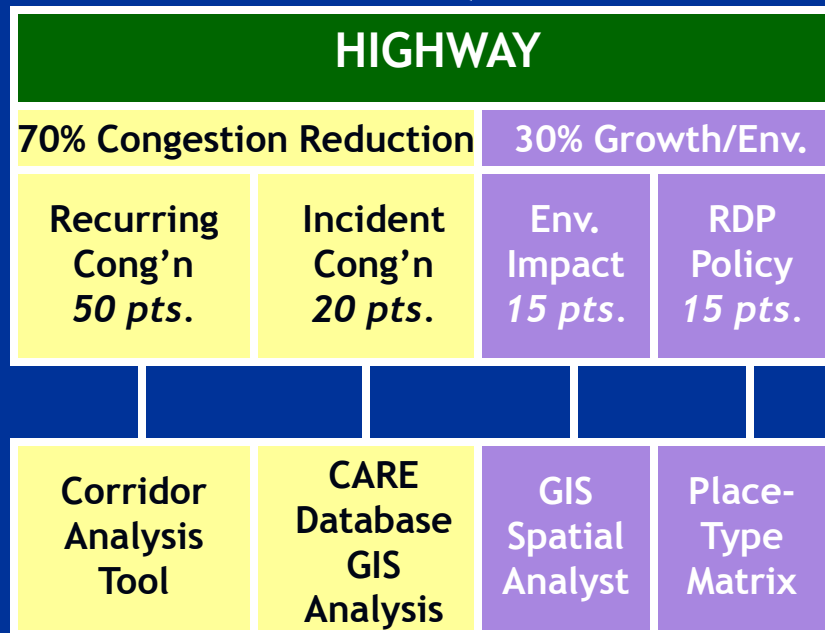
Regional Strategic Transportation System

- Interstate & National Highway System
- State Highways
- Current & Proposed Premium Transit (Heavy Rail, Commuter Rail, Light Rail, Bus Rapid Transit)
- New RSTS Alignments (Planned Bypasses and RSTS Connecting Facilities)
- Cross-Regional Arterial System

- MPO Boundary
- County Boundaries
- Cities

System Expansion Technical Analysis

LONG RANGE SYSTEM EXPANSION PROJECTS ON THE RSTS



70% Congestion Reduction

Recurring Delay (Transit) – 50 points

- FTA Summit model
 - Travel model post-processor run for each transit project
 - Estimates change in number of transit trips and resulting user benefits produced by project
 - Measures all quantifiable benefits to existing and new users of the transit system
- Benefits determined through comparison of 2030 Build and 2030 No Build scenario

Scoring Recurring Delay Benefits

Range of project-level results used to determine (percent) rank and score for each project

	User Benefit Hours					
	No Build	Build	Change	%Change	%Rank	Pts.
Project 1	41	100	59	144%	1.00	50
Project 2	55	75	20	36%	0.50	25
Project 3	150	170	20	13%	0.25	12
Project 4	75	80	5	7%	0.00	0
Project 5	90	150	60	67%	0.75	38

70% Congestion Reduction

Non-Recurring Delay (Transit) – 20 Points

- Measure of incident congestion benefit provided by transit
 - Transit is a safer mode of travel when looking at number/rate of accidents
 - Congestion relief tied to assumed reduction in roadway incident delay when travel is shifted to a safer mode
 - Congestion benefits determined by applying difference in transit crash rates (by transit mode) to roadway crash rates, by transit passenger-miles served
 - Produces “number of crashes prevented”

Scoring Non-Recurring Delay Benefits

Range of project-level results used to determine percent rank and score for each project

	Crashes Prevented	% Rank	Points
Project 1	80	0.50	10
Project 2	40	0.25	5
Project 3	200	1.00	20
Project 4	154	0.75	15
Project 5	10	0.00	0

30% Environmental/RDP

Environmental Impact – 15 Points

- GIS Spatial Analysis – Points assigned based on proximity of project to environmentally sensitive area(s)
 - Flood Plains
 - Greenspace
 - Wetlands
 - Historic Resources
 - Water Supply Watersheds
 - Water Bodies
- Range of project-level results (environmental impact) used to determine percent rank and score for each project
 - Points inverted for overall project scoring

30% Environmental/RDP

RDP Policy Support – 15 Points

- Points assigned based on how well a project supports place-based transportation objectives
 - Transit Amenities
 - System Management
 - Connectivity b/w Centers
 - Local Land Use Commitment
 - Supports Grid Network
 - Supports ITS Architecture
 - Supports Bike/Ped Plan
 - Preserves Existing Character
- Only variable in technical analysis that is not scored based on relative ranking to other projects

Project Ranking

- Total points used to allocate each project into 1 of 3 Tiers
- Tier-ranking reflects each project's performance relative to other projects that went through evaluation

Project	Recurring Delay	Non-Recurring Delay	Env. Impact	RDP Policy Support	Total Pts.	Project Tier
1	30	0	7	3	40	2
2	40	4	2	0	46	2
3	0	12	10	1	23	3
4	10	8	8	2	28	3
5	30	20	10	7	50	1
6	20	16	15	12	67	1

70% Congestion

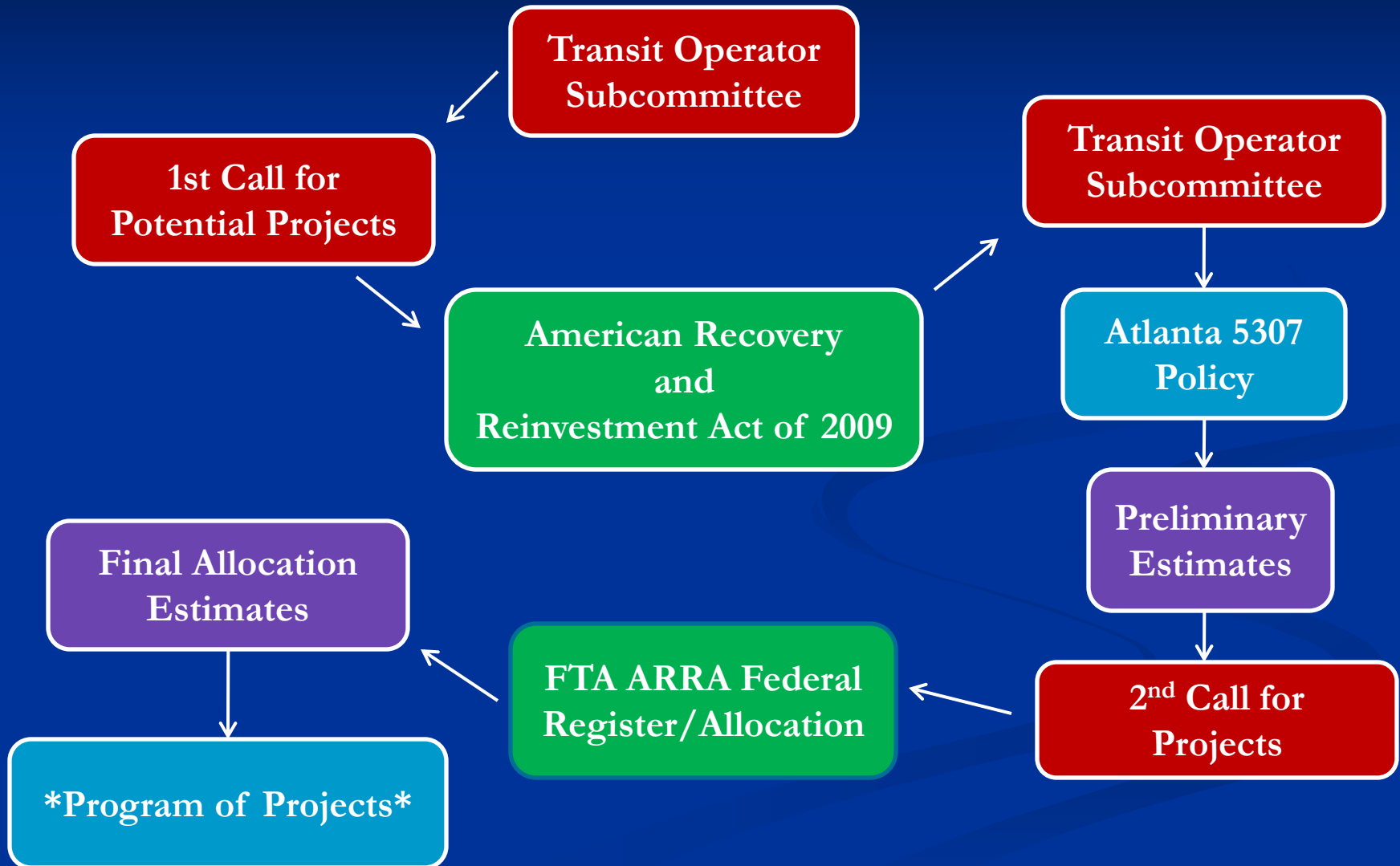
30% Growth/Env. Policy

Prioritizing ARRA Transit Projects

“Atlanta Region”

- ✓ Utilized Transit Operator Subcommittee
- ✓ Initial Call To Identify Potential Projects
- ✓ 3-Tier-Approach To Establish Project Readiness
- ✓ ARRA
- ✓ Atlanta UZA Adopted 5307 Policy
- ✓ FTA 5307 Register/Formula Apportionments
- ✓ Final Call
- ✓ Program of Projects

ARRA Transit Project Prioritization Chart



ARRA Transit Projects

“Atlanta Region”

- Bus Procurement including ADA vehicles
- ITS Equipment and Software
- Preventive Maintenance
- Security Lighting and Surveillance Equipment
- Transit Facility Construction and Rehabilitation
- Transit Enhancements
- Transit Pedestrian Access Improvements

Questions?

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